

38th Climate Diagnostic and Prediction Workshop			National Center for Weather and Climate Prediction	
Oct 21 - 24, 2013			Last Updated: 10/22/13	
Day 1: Monday, October 21, 2013				
Time		Speaker		Title
7:00	9:00	Registration		
8:00	8:10	Mike Halpert		Welcoming Remarks
8:10	8:30	Wayne Higgins	Invited	Advancing Climate Science and Services at NOAA Climate Program Office
8:30	8:50	Tony Busalacchi	Invited	WCRP Grand Challenges
Session 1:	Climate Monitoring		Moderator: Hugo Berbery	
8:50	9:10	Michelle L'Heureux and Anthony Barnston	Invited	Is the Nino-3.4 SST region optimal for monitoring ENSO and its impacts on North America?
9:10	9:25	Andy Chiodi		An OLR perspective on La Niña and El Niño seasonal weather impacts over North America
9:25	9:40	Pingping Xie		CPC High-Resolution Global Precipitation Analyses Suite for Improved Monitoring, Assessments and Diagnostics of Global Climate
9:40	10:00	John Bates	Invited	Climate Monitoring from Space
10:00	10:30	Break		
Session 2:	Climate Attributions		Moderator: Arun Kumar	
10:30	10:45	Philip Klotzbach		The surprisingly quiet 2013 Atlantic basin hurricane season
10:45	11:00	Bradfield Lyon		Tropical Pacific Forcing of a 1998-99 Climate Shift
11:00	11:15	Judith Perlwitz		The impact of the record 2011 Arctic ozone on the extreme spring Northern Annular Mode event
11:15	11:30	Mong-Ming Lu		Recent unusually high extremity of Taiwan rainfall extremes and the modulation of Interdecadal Pacific Oscillation
11:30	11:45	Daniel Barandiaran		Shifts in the low-level jet and associated precipitation patterns, and their effect on recent droughts in the Central U.S
11:45	12:00	Hailan Wang		Attribution of extreme dry conditions over the western United States during early 2013
12:00	13:40	Lunch		
Session 3:	Climate Model Diagnosis and Improvement		Moderator: Dan Barrie	
13:40	14:00	Arun Kumar	Invited	NOAA Reanalysis
14:00	14:15	Rym Msadek		Assessing the predictive skill of Arctic sea ice extent on seasonal to inter-annual timescales using the GFDL forecast system
14:15	14:30	Shan Sun		Global Coupled Atmosphere/Ocean Model for Climate and Seasonal Forecast Applications
14:30	14:45	Ruiyu Sun		A new cloud fraction scheme for the GFS – A CPT project transitioning to operations
14:45	15:15	Break		
Session 4:	CFSv2 Evaluation and Diagnosis		Moderator: Suru Saha	
15:15	15:30	Yan Xue		Prediction Skill and Bias of Tropical Pacific Sea Surface Temperatures in the NCEP Climate Forecast System Version 2
15:30	15:45	Rongqian Yang		Summer-Season Forecast Experiments with Upgrades in the Land Component of the NCEP Coupled Forecast System (CFS)

15:45	16:00	Ming Cai		CFSv2 Prediction Skill of Stratospheric Temperature Anomalies
16:00	16:15	Craig Long		Evaluation of the CFSv2 45 day forecasts to capture stratospheric-tropospheric eve
16:15	16:30	Emily Riddle		CFSv2 ensemble prediction of the wintertime Arctic Oscillation
16:30	16:45	Peitao Peng		Climate Mean, Variability and Dominant Patterns of the Northern Hemisphere Wintertime Mean Atmospheric Circulation in the NCEP CFSv2
Session 5:	Ice Breaker			
17:00	19:00			Conference Center

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Beginning of Joint Meeting with Climate Prediction Task Force					
Day 2:		Tuesday, October 22, 2013			
Time		Speaker		Title	
7:00	9:00	Registration			
Session 1:	Intraseasonal Climate Predictability		Moderator: Jon Gottschalck		
8:00	8:10	Annarita Mariotti		MAPP Prediction Task Force overview	
8:10	8:25	Matt Newman		Diagnosing subseasonal predictability of tropical atmospheric anomalies	
8:25	8:40	Stefan Tulich		Some hindcast simulations of an ensemble of MJO events	
8:40	8:55	Augustin Vintzileos		Predictability and forecast of the MJO: Beyond the RMM index	
8:55	9:10	Dan Gianotti		Potential Predictability of Precipitation: Occurrence or Intensity?	
9:10	9:25	Hyemi Kim		Potential and limitations for the MJO prediction in operational dynamical models	
9:25	9:40	Neena Joseph Mani		Predictability of Tropical Intrasesonal variability (ISV) in the ISV Hindcast Experiment (ISVHE)	
9:40	9:55	Ravi Shukla		On the Leading Mode of Intraseasonal Variability of the South Asian Summer Monsoon in 19 CMIP5 Models	
9:55	10:25	Break			
Session 2:	Climate predictability on seasonal and longer time scales		Moderator: Tony Barnston		
10:25	10:45	Siegfried Schubert	Invited	Drought Predictability on Intraseasonal to Seasonal and Longer Time Scales	
10:45	11:00	Dan Collins		Climate change and the predictability of extreme events	
11:00	11:15	Paul Dirmeyer		Validation and Attribution of Summer 2013 CFSv2 Forecasts Given Observed Spring Boundary Anomalies	
11:15	11:30	Jieshun Zhu		The role of air-sea coupling in seasonal prediction of Asia-1 Pacific summer monsoon	
11:30	11:45	Bohua Huang		Mechanism and predictability of Southern Subtropical Pacific Dipole Mode in the NCEP CFSv2	
11:45	12:00	Zeng-Zhen Hu		Why Were Some La Niñas Followed by Another La Niña?	
12:00	13:30	Lunch			
Session 3	NMME Special Session				
Session 3a	Assessment of predictability and Prediction Skills		Moderator: Jim Kinter		
13:30	13:45	Jin Huang		NMME update and next steps	
13:45	14:00	Ben Kirtman		The Diversity of ENSO in the NMME Prediction Experiment	
14:00	14:15	Timothy DelSole		Does the Multi-Model Ensemble Enhance Skill?	
14:15	14:30	Kathy Pegion		A Preliminary look at MJO Forecast Skill in the NMME	
14:30	14:45	Huug van den Dool		Aspects of land surface hydrology in the NMME	
14:45	15:00	Bertrand Denis		Soil moisture biases and their correction in CanSIPS operational forecasts.	

15:00	15:15	Emily Becker		The North American Multi-Model Ensemble: verification of real-time monthly-mean forecasts:
15:15	15:30	Qin Zhang		On the upward temperature trend (1982-present) in the NMME hindcasts
15:30	15:45	Suranjana Saha		Gauging Systematic Errors of NMME models
15:45	16:15	Break		
Session 3b	NMME Applications			Moderator: Ben Kirtman
16:15	16:30	Eric Wood		A NMME-based global seasonal hydrologic forecasting system
16:30	16:45	Kingtse Mo		Predictability of Hydroclimate Forecasts over the United States
16:45	17:00	Li-Chuan Chen		Meteorological Drought Prediction Using a Multi-Model Ensemble Approach
17:00	17:15	Wassila M. Thiaw		Precipitation interannual variability and predictions for Africa from the National Multi-Model Ensemble dataset
Session 5:	Poster Session			
17:30	19:30	See you in the Conference Center		

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Day 3:	Wednesday, October 23, 2013			
Time		Speaker		Title
7:00	9:00	Registration		
Session 1:	Intraseasonal to Interannual Predictions			Moderator: Siegfried Schubert
8:00	8:20	Jon Gottschalck	Invited	CPC operational outlooks: Current methods and recent verification
8:20	8:40	Jim Kinter	Invited	ISI Climate Prediction: Requirements for High-Resolution Coupled Models and Large Ensembles
8:40	8:55	Anthony Barnston		Developing a More Reliable and Usable ENSO Prediction Plume
8:55	9:10	Nathaniel C. Johnson		Skillful wintertime, intraseasonal North American temperature forecasts based on the state of ENSO and the MJO
9:10	9:25	Robert E Livezey		Revisiting OCN and the Hinge for Seasonal Prediction and Interannual Detrending Signal Separation
9:25	9:40	Laifang Li		Southeastern United States Summer Rainfall Framework and its implication for seasonal Forecast
9:40	9:55	Erik Swenson		Scaled SVD Analysis and its application to tropical-extratropical teleconnections
9:55	10:10	Muthuvel Chelliah		Towards filling the gap in NOAA's seamless suite of forecast products. Prospects of "useful" predictions for weeks 3 & 4?
10:10	10:40	Break		
Session 2:	Long-range forecasts of hurricane and severe weather			Moderator: Matthew Rosencrans
10:40	11:00	Dan Eleuterio	Invited	Earth System Prediction Capability (ESPC) Demo Projects
11:00	11:20	Gabriel A. Vecchi	Invited	NOAA/GFDL Predictions of Hurricane Activity
11:20	11:35	Jae-Kyung Schemm		Evaluation of the NCEP CFSv2 45-day Forecasts for Predictability of Intraseasonal Tropical Storm Activities
11:35	11:50	Scott Weaver		Advancing the Nation's Capability to Anticipate Tornado and Severe Weather Risk
11:50	12:05	Dave Jones		Advancing climate model applications for decision makers through Geospatial Data Sharing and Collaboration
12:05	13:30	Lunch		
Session 3:	Parallel Sessions			
Breakout 1:	Young Professionals: The session provides knowledge and guidance for career development to students and young scientists. The session is open to the general audience.			
Topic 1:	Program and Institution Knowledge			Moderator: Jin Huang

13:30	13:45	Dan Barrie		NOAA CPO grans Programs
13:45	14:00	Jim Todd		NOAA CPO Post-doc Program
14:00	14:15	Anjuli Bamzai		NSF funding opportunities for students and early career scientists
14:15	14:30	Jared Entin		Early career opportunities with NASA Earth Science Program
14:30	14:45	Ming Ji		NCEP Overview
14:45	15:00	Renu Joseph		DOE
15:00	15:15	Mike Patterson		US CLIVAR
15:15	15:45	Break		
	Program and Institution Knowledge (Cont.)		Moderator: Kathy Pegion	
15:45	16:00	Hugo Berbery		Role of NOAA Cooperative Institutes
16:00	16:15	Sky Yang		Career Opportunities for Young Scientists
Topic 2:	Science overviews			
16:15	16:30	Matt Newman	Invited	ISI predictability overview
Topic 3:	Student Presentation			
16:30	16:45	Boniface Opoku Fosu		Bay of Bengal Monsoon Onset and Cyclones in a Changing Climate
16:45	17:30	Networking		
Breakout 2:	MAPP Climate Prediction Task Force closed session			Group Discussion
13:30	17:30	MAPP - CPTF		LOCATION: Conference Center
Breakout 3:	User Engagement and Communication Meeting			
Topic 1:	Session on Climate Science Communication			Moderator: David Herring
13:30	14:15	Rick Borchelt	Invited	Public Perceptions and Attitudes about Science versus Scientists Perceptions and Attitudes about the Public.
		Dan Kahan	Invited	
14:15	15:00	Interactive Discussion with Presenters and Participants		
15:00	15:30	Break		
Topic 2:	Climate Communication Panel			Moderator: TBD
15:30	17:00	Free time		Potential tour of the facility. Details are being worked out.
				Unfortunately a short notice tour would not be possible for international visitors due to NOAA security restrictions.
Conclusion of Joint Meeting with Climate Prediction Task Force				
Session 5:	Reception			
		Greenbelt Marriott		
18:00	21:00	Guillermo Accame		From Diamonds to Climate

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Day 4:	Thursday, October 24, 2013			
Time		Speaker		Title
Session 1:	Forecast Evaluations			Moderator: Tim Delsole
8:00	8:20	Holly Hartmann	Invited	Linking forecast applications and evaluations
8:20	8:40	Barbara Brown	Invited	Progress and prospects in forecast evaluation methods: Spanning weather, sub-seasonal and seasonal time scales
8:40	8:55	Huug van den Dool		A more nuanced view of the climatological annual cycle
8:55	9:10	Sanjiv Kumar		CFSv2 Reforecasts: Where is the observation in the Forecast Ensemble Space?
9:10	9:25	Wanqiu Wang		An assessment of the CFSv2 real-time seasonal forecasts for 2011-2013
9:25	9:40	David Unger		Verification of CPC's Degree Day Outlooks
9:40	9:55	Mike Charles		Using Reforecasts to Improve CPC's Week 2 Forecasts
9:55	10:25	Break		
10:25	10:40	Hannah Aizenman		Evaluating ensemble seasonal forecasts using information metrics
10:40	10:55	Melissa Ou		Sensitivity study of the skill of the CPC Week-2 Reforecast Tool to Reforecast Sampling
10:55	11:10	Jennifer Adams		New Graphics Capabilities in GrADS
11:10	11:25	Sudhir Raj Shrestha		Improving Data Discovery and Access through Interoperable System in Climate.gov
11:25	13:00	Lunch Break		
11:25	13:00	CTB/SAB Lunch Meeting		
Session 2:	Application and Products			Moderator: Marina Timofeyeva
13:00	13:15	Nelun Fernando		Developing a framework to incorporate climate change projections in water availability modeling for Texas
13:15	13:30	Hans-Peter Plag		Towards an Interannual to Decadal Local Sea Level Forecasting System
13:30	13:45	Kirsti Hakala		Hydrologic and Climatologic Conditions That Shape Interior West's Groundwater Resources
13:45	14:00	Huan Wu		Real-time Global Flood Forecasting Using an Enhanced Land Surface Model with Satellite-based and NWP Forcings
14:00	14:15	Jiarui Dong		Accurate Downscaling Application of Temperature Data in High Spatial Resolution Land Surface Modeling for in Support of US Drought Monitoring Efforts
14:15	14:30	John T. Allen		Associating Hail Occurrence and Large Scale Environment for the Continental United States 1979-2012
Session 3:	Decision support tools			Moderator: Fiona Horsfall
14:30	14:50	Eugene Petrescu	Invited	Supporting decision support in Arctic
14:50	15:05	Marina Timofeyeva		NWS Climate Information and Tools for Decision Support Services
15:05	15:20	Rachael Jonassen		A different kind of guidance for climate adaptation planning
15:20	15:45	Break		

Session 4:	Satellite-driven data products and climate data products			Moderator: Pingping Xie
15:45	16:00	Thomas M. Smith		Analysis of Oceanic Precipitation before the Satellite Era
16:00	16:15	Viviana Maggioni		An Error Model for High-Time Resolution Satellite Precipitation Products
16:15	16:30	Jian-Jian Wang		Climatological Means and Variations of Tropical Precipitation and Its Relationship With Surface Temperature from 15 years of TRMM Data
16:45	16:45	Karen Grissom		Improvements to Real-Time Quality Control of TAO High-Resolution Data
17:00	17:15	Daniel Tong		Development long-term climatology of giant dust storms for national climate assessment in the western U.S.

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POSTER SESSION			October 22, 2013	Last Updated: 10/22/13
Number	Presenter	Presenter Affiliation	Title	
1	Ahmed Tawfik	Center for Ocean-Land-Atmosphere Studies	A process-based framework for isolating large-scale and surface forcing during convection	
2	Anushiya Jeganathan	Research Scholar	Influences and predictability of Global Climate Indices over South Peninsular Indian Rainfall	
3	Aston Chipanshi (1), Hai Lin (2)	1. Agriculture and Agri-Food Canada, Science and Technology Branch, Regina, Saskatchewan. 2. Atmospheric Numerical Weather Prediction Research, Environment Canada, Dorval, Quebec.	The prediction of extreme agrometeorological indices using the Canadian Meteorological Centres's medium range forecasts	
4	Bahaga Titike Kassa	Climate Variability, Predictability and Prediction	Assessment on the Predictability and Prediction of the Seasonal Mean Short Rain over Equatorial East Africa using APCC Multi-Model Ensemble	
5	Barrie Bonsal	Environment Canada	An Assessment of Canadian Prairie Drought: Past, Present, and Future	
6	Bhaskar Jha	Climate Prediction Center	Climate Mean, Variability and Predictability during wintertime in the NCEP CFSv2 AMIP simulation	
7	Chaihong Wen (1), Arun Kumar (1), Yan Xue, (1), M.J. McPhaden (2)	1. NCEP/CPC, 2. NOAA/Pacific Marine Environmental Laboratory (PMEL)	Understanding Causes for Changes in ENSO Characteristics after 1999: an Oceanic Perspective	
8	Charles Jones	University of California Santa Barbara	The Madden-Julian Oscillation and extratropical cyclogenesis	
9	Corredor Llano X. and Sánchez Rodríguez I. C.	Institute of Hydrology, Meteorology and Environmental Studies of Colombia (IDEAM)	Jaziku - Statistical inference software for the teleconnections analysis	
10	Ehsan Erfani	Desert Research Institute/ University of Nevada, Reno	Mechanisms for the Onset and Evolution of North American Monsoon	
11	Emily Riddle	NOAA CPC	A generalized framework for estimating the effect of ensemble size on forecast skill	
12	Guojun Gu	ESSIC, University of Maryland	Long-term global precipitation changes and patterns: Global warming vs interdecadal climate variability	
13	Hitoshi Sato	Japan Meteorological Agency	Performance of the new JMA one-month EPS	
14	Jesse Meng	NOAA/NCEP/EMC	Improving the land surface climatology of the Climate Forecast System Reanalysis	
15	Jiayu Zhou	NWS/OST	Recent Science Advancement for Guidance on Weather-Climate Service	
16	Joong-Bae Ahn	Division of Earth Environmental System, Pusan National University, Busan, South Korea	Improvement of 1-month lead predictability of the wintertime AO using a realistically varying solar constant for a CGCM.	
17	Joong-Bae Ahn	Division of Earth Environmental System, Pusan National University, Busan, South Korea	The anomalous structures of atmospheric and oceanic variables associated with the frequency of North Pacific winter blocking.	
18	Joong-Bae Ahn	Division of Earth Environmental System, Pusan National University, Busan, South Korea	Improvement of multi-model ensemble seasonal prediction skills over East Asian summer monsoon region using a climate filter concept.	
19	Joong-Bae Ahn	Division of Earth Environmental System, Pusan National University, Busan, South Korea	Possible impact of the autumnal North Pacific SST and November AO on the East Asian winter temperature.	
20	José Antonio Aravéquia	Center for Weather Forecast and Climate Studies / National Institute for Space Research (CPTEC / INPE)	Analysis study of rainy season onset in the Southeast and Midwest of Brazil	
21	KANTE Ibrahima Kalil	KANTE Ibrahima Kalil	Comparative study of the West African Continental, Coastal and Marine, Atmospheric Profiles of during the Summer of 2006	
22	Kenneth Rumi Ayadiani	School of Integrated Climate System, University of Hamburg Germany. Nigerian Meteorological Society (NMS)	TROPICAL STORMS CYCLOGENESIS: THE SOUTH ATLANTIC PARADOX	
23	Kyong-Hwan Seo	Pusan National Univ.	Physical processes for the Northern Hemisphere wintertime temperature anomalies induced by the Madden-Julian oscillation	
24	Li Xu	Center for Ocean-Land-Atmosphere studies	The Differences in cloud response and cloud radiative feedback by explicit resolved cloud and conventional cloud parameterization	

25	Marcio Cataldi	Operador Nacional do Sistema Eterico (BRAZILIAN POWER SYSTEM OPERATION PLANNING) Brasileiro	PRELIMINARY RESULTS OF THE APPLICATION OF NCAR / CAM 3.0 IN THE BRAZILIAN POWER SYSTEM OPERATION PLANNING
26	Martina Ricko	University of Maryland/ESSIC, College Park, MD	Assessment of precipitation extremes observed in satellite data
27	Meng-Pai Hung	CPC/NCEP/NWS/NOAA	Prediction of the MJO events from CFSv2 during DYNAMO Intensive Observing Period
28	Michael Natoli	ESSIC/CICS-MD	Regional responses to the MJO over South America in the CFS Reanalysis
29	Mong-Ming Lu	Central Weather Bureau, Taiwan	The Operational Monthly and Seasonal Climate Forecast System and Development at CWB Taiwan
30	Mónica Rodrigues	Department of Geography, University of Coimbra, Coimbra, Portugal	Modeling of Monthly Air Temperature in Portuguese Metropolitan Areas with ARIMA Models in time Series Analysis
31	Ni Dai	AOSC-UMD, CICS	ENSO Representation in CMIP5 Models
32	Pingping Xie	NOAA/CPC	NOAA In Situ – Satellite Blended Analysis of Sea Surface Salinity:Development of a Prototype Technique
33	Qingyun ZHANG	Institute of Atmospheric Physics, Chinese Academy of Sciences,Beijing 100029,China.	The Study on Anomalous Blocking High over the Ural Mountains area and Its related to AO in Boreal Winter
34	Ricardo Fonseca	Earth Observatory of Singapore, Nanyang Technological University, Singapore	Evaluation of Regional Climate Downscaling over the Maritime Continent
35	Ricardo Fonseca	Earth Observatory of Singapore, Nanyang Technological University, Singapore	Tropical Vorticity Budget in ECMWF (Re)analyses
36	Ruping Mo	National Lab for Coastal and Mountain Meteorology, Environment Canada, Vancouver, BC, Canada	Some similarity indices with possible meteorological applications
37	Scott Weaver	NOAA CPC	Factors Associated with Decadal Variability in Great Plains Summertime Surface Temperatures
38	Simon S.-Y. Wang	Utah State University	COULD THE 2012 DROUGHT HAVE BEEN ANTICIPATED? – A NASA NEWS INITIATION ON EXTREMES
39	Stephen Baxter	Climate Prediction Center	Forecast Circulation and Teleconnection Skill in the CFSv2 Beyond Week-2
40	Woo-Sung Lee	Canadian Centre for Climate Modelling and Analysis	CanSIPS Prediction of NAO and PNA for the NH Winter
41	Xingren Wu	EMC/NCEP/NWS/NOAA and IMSG	Sea Ice in the NCEP Climate Forecast System Reanalysis
42	Yan Xue	Climate Prediction Center/NCEP/NOAA	The NCEP/GFDL Observing System Experiments for Tropical Pacific Observing System: Early Results
43	Ying Li	Colorado State University	The signature of the Northern Annular Mode in tropospheric clouds, and the cloud radiative effect on the climate variability
44	Youlong Xia	IMSG at NCEP/EMC	Objective Blends of Multiple NLDAS Drought Indices over the Continental United States (CONUS): Development and Application